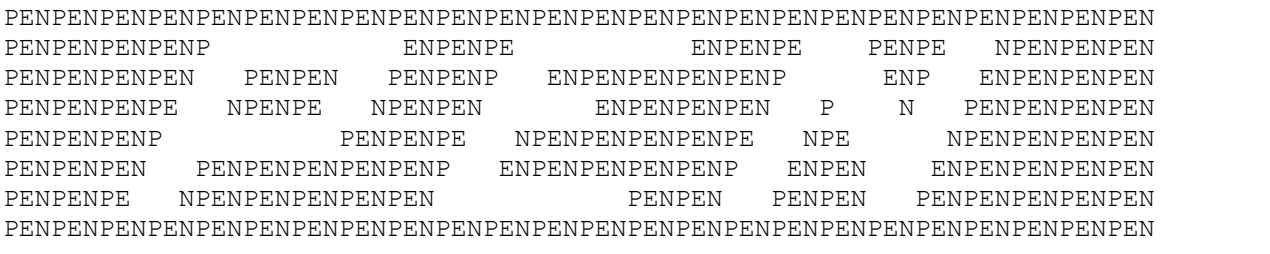

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This is the twenty eighth edition of the Periodic Electronic Newsletter (PEN) for MCI Mail users assigned to Oppenheimer Software (MCI Mail agency NY4). You may respond to the PEN by typing ANSWER at the COMMAND: line that appears after you read this. This mailbox (218-0241) is toll free - you may write to it as often as you wish, at no charge! (Please note that you may order a toll free mail box - contact Oppenheimer Software for more information.)

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>>>>>>>>>>>>>>>>>>>>
NEED ANOTHER MAILBOX?
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Need another mailbox or account on MCI Mail? A SCRIPT called NEWUSER allows you to register new mailboxes or accounts on MCI Mail, or provide referral information for others needing information. To use this feature, at the Command: prompt, type:

CREATE USING NEWUSER

Answer all questions, and follow the instructions at the end of the SCRIPT. You will be notified when the new mailbox/account is active.

The NEWUSER script has been in use for over two years. Hundreds of new accounts set up with the SCRIPT, have been up and running, usually within 24 hours.

Note. . . If you access MCI Mail via Lotus Express, Desktop Express or any of MCI Mail's LINK products, you will need to access MCI Mail via the interactive "terminal" mode.

>>>>>>>>>>>>>>>>>>>>>>>>
PRODUCT INFORMATION FORUM
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Businesses in the know sponsor lunchtime vendor forums. These meetings provide an opportunity for the area managers to become familiar with new services and products in an casual setting without taking time off to visit trade shows. Managers and employees get a chance to learn about cost saving technologies used in other areas of the company through informal discussions, and question and answer periods.

If you would like to have a MCI Mail representative come to one of your forums, please message us at mailbox 218-0241.

>>>>>>>>>>>>>>>>>>>>>>>>
PEN BULLETIN BOARD ON LINE
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Starting with this issue, the PEN newsletter will be available on-line for 90 days from a Bulletin Board called PEN.

To access the board, type:
VIEW PEN

More than one board may appear (a different PEN issue in each board). Pick the one you want to review and press .

You should next tell your communications program to capture the session to a disk file or your printer if you will be needing to refer to the information at a later date.

Now type SCAN. A listing of each of the articles will appear. Type
READ x
or
PRINT x
to review a specific article.

Type LEAVE to return to regular MCI Mail.

Bulletin Board access costs $.30/minute.

>>>>>>>>>>>>>>>>>>
INTERNET DOWN TIME
>>>>>>>>>>>>>>>>>>

Note: The MCI Mail/INTERNET gateway system will be down during the following times:

6:30 - 8:30 AM EDT (Monday, May 21, 1990)
3:30 - 7:30 PM EDT (Monday, May 21, 1990)

MCI Mail apologizes for any inconvenience this may cause.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
WHERE DID YOU HEAR ABOUT MCI MAIL?
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A random survey of 182 prospective subscribers was done in February. The prospects were asked how they heard about MCI Mail.

Referrals from friends accounted for nearly half (49%) of the responses. That told us that you found MCI Mail to your liking. We'll keep trying.

>>>>>>>>>>>>>>>>>>
LAP & PALMTOP '90
>>>>>>>>>>>>>>>>>>

On May 21st and 22nd, we will be at the annual "Lap & Palmtop '90" trade show at the Penta Hotel in New York. Please stop by to visit the MCI Mail booth to ask any questions, bring along an interested associate, or just say hello.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>
DISCOUNTS FOR THE LITTLE GUY
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Do you send at least thirteen one page domestic faxes per month? Or do you send at least ten $1.00 MCI Instant Letters per month?

If you do, MCI Mail has a *GREAT* discount plan for you. It is so good that it is not even available to the "big guys"!

The MCI Mail Preferred Pricing Option (PPO) allows you to send up to 40 one page domestic fax messages or 40 $1.00 MCI Instant Letters for only $10.00 per month. Simple math tells you that the cost per message (if you send all 40) is only $.25 each. That is less than the cost of a fax phone call and less than the proposed cost of first class postage.

Even if you send as few as a dozen messages per month, you'll still save money.

The only requirements for PPO are:

Only one mailbox per organization or company may take advantage of PPO pricing

PPO pricing may not be used with any other discount or promotional plan

PPO option must be requested a month in advance of the start date.

If you are interested in PPO, just send a note to mailbox 218-0241 and we'll

take care of it for you.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
THE THAMES THEY ARE A CHANGING
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Note: This will be of interest to you only if you send Fax Dispatch messages to or call London, England.

Effective May 6th, the city code for telephone calls to London changed.

British Telecom changed the city code for London from the current city code (1) to either (71) for inner London or (81) for outer London.

For example, if you are faxing the London number 011 44 (1) 434-0000, you should instead fax to 011 44 (71) 434-0000.

The below lists will help you revise your Fax Dispatch distribution lists containing any London entries. Of course the same change applies to voice calls made to London:

If the number begins with these, use the new code 71:

210-289, 306, 315, 320-329, 331, 333-334, 338, 350-359, 370-389, 400-418, 425, 430-439, 454, 457, 465, 473-474, 476-477, 480-499, 510-513, 515-516, 522, 525, 528, 537-538, 548, 580-589, 600-639, 696, 700-739, 753, 757, 772, 774-775, 779, 782, 790-799, 818-839, 860, 865, 867, 872-873, 895, 801, 911-912, 915-939, 945, 955-957, 962, 971-973, 975, 976, 978, 982, 987

If the number begins with these, use the new code 81:

200-209, 290-305, 307-314, 316-319, 330, 332, 335-337, 339-349, 360-369, 390-399, 419-424, 426-429, 440-453, 455-456, 458-464, 466-472, 475, 478-479, 500-509, 514, 517-521, 523-524, 526-527, 529-536, 539-547, 549-579, 590-599, 640-695, 697-699, 740-752, 754-756, 758-771, 773, 776-778, 780-781, 783-789, 800-811, 840-859, 861-864, 866, 868-871, 874-894, 897-900, 902-910, 913-914, 940-944, 946-954, 958-961, 963-969, 974, 977, 979-981, 983-986, 989-999

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SEND IT NOW! - Mailmerge for MCI Mail
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Until recently, traditional business mailings have required the individual typing of letters, individual addressing and stamping of envelopes, stuffing and then mailing. As word processors became popular, mailmerge functions greatly reduced the time needed to print out the letters, but the other time consuming tasks remained.

Even today, sending unique fax messages to multiple locations requires creation of individual faxes and cover sheets followed by the labor consuming task of sending each fax, one at a time.

Although MCI Mail's distribution list capability addresses these problems by

allowing you to broadcast hardcopy, fax, telex and electronic mail to many locations in a very short period of time, the text of each message must be the same. There is no option for individual addressing (Dear Mr. Smith) or custom information (You owe us $100.25 for the widget you bought on May 1) within the letter.

SEND IT NOW! is a new system that combines the flexibility offered by mailmerge programs with the power of MCI Mail's broadcast services to give you a new dimension in office communications.

SEND IT NOW! selectively merges a list of names, addresses, fax numbers and other user supplied variable information into form letters for transmission via MCI Mail.

SEND IT NOW! will produce one letter, or one thousand letters - each deliverable as hardcopy, fax, electronic mail or telex. SEND IT NOW! allows you to choose between several optional letterheads and signatures for each mailing. SEND IT NOW! will even send you a single sample for your review and approval prior to large mailings.

SEND IT NOW! requires an IBM compatible computer, 640K RAM, MS DOS, a hard disk, modem, Lotus Express and a standard MCI Mail account.

SEND IT NOW! is perfect for applications such as sending:

Dunning letters, each detailing the amount due
Price schedules with custom discounting included
Notifications of upcoming TV/radio advertising spots,
listing the local station and times
Order confirmations detailing the item[s] purchased
Detailed freight shipping information
Computer rental confirmations
Customized "SALE" notices
Stock/bond prices from your portfolio
Product delivery notifications
Subscription renewals
Account statements

.... or almost anything you can think of!

SEND IT NOW! costs $750.00. Fully functional demonstration systems can be purchased for $25 creditable towards the purchase price.

Please message us at mailbox 218-0241 for ordering information.

>>>>>>>>>>>>>>>
MCI MAIL DIRECT
>>>>>>>>>>>>>>>

MCI Mail Direct is a new national mailing service with expedited first class delivery. A highly flexible product, MCI Mail Direct is the perfect solution for volume mail applications, especially those that are database driven. Letters can be printed on your own stationary, can include business reply envelopes (BRE), multiple fonts, graphics and even stuffers.

MCI Mail Direct is a direct response to the downsizing of the post office. As

the USPS service deteriorates, and its price [soon] rises, people who used to remember that first class mail once meant delivery of most letters in one to two days, now reluctantly accept three to four days to be the norm.

For you, this means slower collection of invoices, delays in announcing products to hot prospects, and tardy delivery of financial reports to investment houses. In short, delayed delivery spells a loss of revenue.

MCI Mail Direct expedites delivery of first class mail by eliminating several steps in the creation and mailing process. MCI Mail Direct automates the printing and stuffing of the mailer, then overnights the letters to a Mail Processing Center (MPC) for delivery. (If left to the USPS, that same mailing must travel first through the collection point to the local Post Office, then to the Associate Office before it is finally handed to the MPC for delivery. MCI Mail Direct leapfrogs all those steps.)

MCI Mail Direct is easy to use. The first step is to contact us at mailbox 218-0241 to arrange a special account for the Direct traffic.

Print jobs are submitted with a job request form that is filled out and sent to the processing site. Once received and completed, the print site will work directly with you to complete the mailing. The letter and addresses can be submitted through a variety of methods, including Mag Tape, MS DOS floppy diskette, or through dial-up.

Once the letter information has been received, the print site will run a test letter to assure accuracy and quality. The sample letter will be faxed to you for approval and final sign-off. Once approved, the job is completed and overnighted to the MPC that very night. This means that your correspondence will reach its destination within 2 to 3 days!

All letters are printed using Xerox 4050 laser printers. You may supply the print site with your own letterhead, or you have the option of digitizing and storing your graphics on the print site computer. The printers can support multiple fonts, digitized graphics, as well as bolding, underlining and even italics.

After the letters are printed, they are stuffed into MCI Letter envelopes, or customer supplied envelopes, and overnighted to 1 of 19 strategic Mail Processing Centers in the United States. If, however, there or more than 250 letters destined to a particular city, those letters will be overnighted to the MPC in that city automatically, which assures even quicker delivery. What this means is that the more letters there are, the better the turn around time.

How will this save you money? By reducing the amount of labor that you must expend to get a mailing out. Study after study has shown that many customers manually print and stuff envelopes! MCI Mail Direct also will save on wear and tear of your equipment, and will free up that same equipment so that it may be used for other purposes. And MCI Mail Direct's price can't be beat. Depending on the size of the job, it will cost you somewhere between $.79 and $.99 for the first image (side of a piece of paper), and $.13 per each additional image.

First Image	Each Additional Image
150 - 2,000	$ .99 $.13

2,001 - 10,000	$ .94	$.13
10,001 - 25,000	$ .85	$.13
25,001 - 50,000	$ .78	$.13
50,001 or more	$ .72	$.13

Customer supplied stuffers and BREs are an additional $.06 each.

Please message us at mailbox 218-0241 if you have any questions.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
WASHINGTON DC/ATLANTA LOCAL NUMBERS
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On April 16, 1990, the local access number in Washington, DC (202-429-2442) was decommissioned. On May 21, 1990, the local access number in Atlanta, GA (404-577-7363) will be taken out of service.

Access to MCI Mail will continue to be free via any one of the four 800 numbers listed below. With our free 800 access numbers you must remember only one number no matter where you are, plus you can use 2400 baud modems for faster transmissions.

300/1200 baud	800-234-MAIL (6245)
2400 baud	800-456-MAIL (6245)*
Lotus/Desktop Express (up to 2400 baud)	800-825-1515
MNP/Class 5 (up to 2400 baud)	800-333-1818

>>>>>>>>>>>>>>>>
TRAVELERS ACCESS
>>>>>>>>>>>>>>>>

If you have overseas branch offices, you probably chose to access MCI Mail via the local packet switching service (PTT). The advantages of accessing MCI Mail this way are the enormous cost savings; you pay for just the local access charged by the PTT plus the MCI Mail standard message rates - no international phone charges. Most PTTs charge packet service by a combination of session length and volume (kilocharacter or segment charges).

For a variety of reasons, some overseas customers prefer to subscribe to MCI Mail in the US and be billed in US dollars. More importantly, the US based MCI Mail subscriber traveling overseas may not want to, or be able to arrange with the local PTT for temporary access through to MCI Mail.

Although MCI Mail is migrating domestic users toward its toll free 800 numbers and simultaneously decommissioning local access numbers, two sets of local access phone numbers are going to remain active for those choosing to dial in from locations (overseas) not accessible to the 800 numbers. To accommodate these customers, MCI Mail has upgraded the access numbers in San Francisco, CA and Alexandria, VA to support international/travelers access. The access numbers are:

703-769-0700	300/1200/2400 BPS	X.PC and General Public
703-769-0750	300/1200/2400 BPS	MNP Class 5 & General Public

415-543-1560	300/1200/2400 BPS	X.PC and General Public
415-543-6364	300/1200/2400 BPS	MNP Class 5 & General Public

Note: MNP Class 5 offers error correction and 2 to 1 data compression, providing an effective throughput up to 4800 BPS.

>>>>>>>>>>>>>
TELEX UPGRADE
>>>>>>>>>>>>>

In the past, Lotus Express, Desktop Express, Office Automation, LAN and other PC packages users receiving telex messages usually found that were double spaced.

This problem has been corrected. If you had seen prior telex messages containing extra carriage returns inserted between each line, consider it history.

>>>>>>>>>>>>>>>>>>>>>>>>>>>>
MCI PURCHASES 25% OF INFONET
>>>>>>>>>>>>>>>>>>>>>>>>>>>>

On January 18, 1990 -- INFONET Services Corporation and MCI Communications Corporation announced that MCI has agreed to purchase 25 percent of the outstanding shares of the international value-added data network which operates in the U.S. and in over 100 countries worldwide. INFONET provides integrated computing and communications services worldwide and holds marketing and support agreements in 34 countries

MCI became the largest shareholder in INFONET. The other shareholders are the major telecommunications administrations (PTT's) of European and Asia Pacific countries including The Deutsche Bundespost Telekom (West Germany), TRANSPAC/France Telecom, PTT Telecom Netherlands, Regie Des Telegraphes Et Des Telephones (Belgium), Singapore Telecom International Pte. Ltd, Swiss PTT, Telecom Australia, Swedish Telecom International, Telefonica International (Spain) and Kokusai Denshin Denwa Co., Ltd. (KDD-Japan).

"Our participation in INFONET will be of direct benefit to MCI, its current and potential customers," according to Bert C. Roberts, president and chief operating officer of MCI. "As a leading provider of comprehensive global data and computer services, INFONET provides an exceptional competitive response to the data networking requirements of our existing U.S. customer base. It also will allow MCI to take a greater leadership role in providing state-of-the-art integrated voice and data solutions to multinational organizations worldwide."

"We feel certain that INFONET's worldwide support organization, its strong relationship with the telecommunications administrations and its existing global network will greatly strengthen our global service capabilities," Roberts added.

>>>>>>>>>>>>>>>>>>>>>>>>>>>
2ND LOOK AT 1STCLASS (EMMA)
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Last November, we told you about a program published by PC Magazine called 1stClass.

1stClass itself is a communications server that uses the MCI Mail proprietary protocol, MCI Mail Link, to send and receive messages. Because it uses Mail Link, 1stClass users may attach binary files to the messages they send, and can exchange those files with users of other Mail Link-based products, including Lotus Express, Desktop Express, MCI Mail's Profs/Vax/HP/Wang Link gateways and the upcoming release of Norton Commander.

Since then, the program has been renamed to EMMA and undergone several revisions:

(1). The exit codes issued by Emma have been adjusted so that a value of 100 is added if Emma has downloaded any new messages to MAIL.IN. Thus, a complete list of exit codes is:

0 => Emma completed successfully but received no new mail
1 => BESS not present
2 => file i/o error (no new mail received)
3 => script error (no new mail received)
4 => user interrupt, i.e. user pressed Esc (no new mail received)
5 => timeout (no new mail received)
6 => protocol error (no new mail received)

100 => Emma completed successfully and received some new mail
102 => file i/o error (after new mail was received)
103 => script error (after new mail was received)
104 => user interrupt (after new mail was received)
105 => timeout (after new mail was received)
106 => protocol error (after new mail was received)

(2). Various minor bugs were fixed, mostly relating to compatibility with certain types of PC and video adapters.

(3). Prior to this version, Emma createda MAIL.IN file every time it was run. Now MAIL.IN is created only if there are new messages read from MCI. This allows you to test for new mail in a batch file by checking for the presence of said file -- assuming that you always rename or delete MAIL.IN at the start.

(4). Attachments must now be specified in a completely new way.

(5). Emma now correctly handles messages that contain accented letters and other characters from the extended PC character set (that is, with codes of 128 and above). Previously, all such characters were converted into plain ASCII. This new feature is of most value to European users of Emma.

(6). Comment lines may be included in script files (EMMA.CSF). Emma recognizes any line that starts with an asterisk or a semicolon as a comment and the rest of the line is ignored.

(7). Emma must set a timeout when waiting for a required response from MCI Mail. In previous versions, this timeout period was set at 20 seconds which proved insufficient for users sending lengthy attachments. The waiting period has now been raised to 2 minutes.

(8). Emma can be run in an optional quick mode designed to minimize connection times for those users who have to pay hefty line charges. In quick mode, Emma disconnects very quickly from MCI when there are no messages to be delivered; it does not wait for all the commentary that MCI usually sends indicating the numbers of messages sent and received. Quick mode is selected by including a 'Q' command in your EMMA.CSF.

(9). The user may now select how messages are separated in the MAIL.IN file. Previous versions of Emma appended three blank lines after each message and this remains the default. If you wish to specify something different then add an 'S' (for separator) command to your EMMA.CSF. The argument is a string defining the separator text.

(10). An option has been added to the 'M' command that directs Emma to send MCI any outgoing mail without downloading any INBOX messages. Send-only mode is intended for users with secretaries who create and dispatch mail but who do not handle incoming messages.

(11). Emma now accepts a command-line argument identifying an alternative script file. (An alternative to the default EMMA.CSF, that is.)

(12). Emma is now capable of running on the Atari Portfolio palmtop computer.

(13). Emma has several improved diagnostic messages. Most significantly, on timing out it tells you what it was waiting for. For example:

Timed out waiting for MCI to respond
Timed out waiting for speed from modem
Timed out waiting to receive: OK

The second of these is issued only when the B command times out waiting to receive a CONNECT message from a modem. The third one is issued when an R command times out.

(14). Emma's screen output can now be redirected. This allows the program to be used in a more automated fashion. You can, for example, invoke Emma from a batch file and have it run "silently," that is with no screen output.

(15). If you interrupt Emma by pressing the Escape key while the modem is dialing, Emma sends an Escape character to the modem. This prompts most modems to abort the call.

Emma can be downloaded from the PC MagNet system.

Special thanks to Paul Wilczynski for keeping us up to date on Emma.

>>>>>>>>>>>>>>>>>>>>>>
APPLICATIONS ON DISPLAY
>>>>>>>>>>>>>>>>>>>>>>

Quick: What is the best way to get new viewers to watch your syndicated "soft news" television show? Have someone else tell them about it.

"A Current Affair", like all television shows, needed a good ratings to attract advertisers, and sought the assistance of GREAT! Inc. to help them get it.

Previously, mailgrams sent daily to over 400 talk show radio hosts around the country gave the hosts food for thought and chatter. It worked. Radio listeners tuned into the show. However, mailgrams are not cheap and must be sent out two days in advance. Last minute changes in format went unannounced.

They then turned to MCI Mail and a new package called SEND IT NOW! to cut costs and reduce the necessary lead time. Every evening, nearly 800 faxes are sent out - each detailing not only the content of the next "A Current Affair", but also telling the talk show host the TV station and show time in his/her area.

As the SEND IT NOW! database contains the full addressing information for each radio station, faxes are sent in ZIP code order, allowing East Coast stations to get their faxes first, and West Coast stations later.

If there is a dramatic breaking news story, "A Current Affair" can revise its topic on very short notice, and new faxes are sent out with the updated information.

The transition from mailgrams to MCI Mail Fax Dispatch resulted enough of a savings that faxing to the current list of 800 talk show radio hosts actually costs less than the previous distribution of 400 mailgrams did.

If you would like to have your application on display, please send a half page description of your application to mailbox 218-0241. Company and 8product names will be kept confidential if desired.

>>>>>>>>>>>>>>>>>>>>>>>>
STOCK TRENDS VIA MCI MAIL
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Io Consulting Inc., a New York-based computer consulting firm, has announced an intra-day stock trading analysis service, delivered by MCI Mail or Fax Dispatch.

The service constantly monitors activity on the New York Stock Exchange, and provides reports as the day progresses showing stocks with significant trading activity.

Traders using the service can get a feel for intra-day movements of individual stocks or groups such as program baskets, and observe the momentum of late-day trading, which often carries forward to early trading the following day.

Interested parties should contact Io Consulting Inc. at mailbox 332-1315

>>>>>>>>>>>
POWER USER
>>>>>>>>>>>

Do you correspond with MCI Mail users who don't check their mail frequently? If so, the MCI Mail ALERT option may be for you.

Using the ALERT option causes an MCI Mail operator to call the recipient of your message at a predetermined time to tell him or her that your message is waiting in his or mailbox.

To use it, address your mail as follows:

To: 999-9999 (ALERT: John Smith, 617-555-1212 @ 9AM)

The ALERT: option will notify the MCI Mail operator to telephone John Smith at 9:00 AM Eastern Time to tell him your message is waiting. The operator does not see the contents of the message.

The colon (":") MUST be included after the word "ALERT". The time following the "@" refers to Eastern Time. ALERT calls will only be made between 9:00 AM and 7:00 PM Eastern on business days, although they must be requested by 6:00 PM for same day calling.

The ALERT operator will call within an hour of the posting time, or the time you requested in the ALERT: request. The cost of an MCI Mail Alert is $1.00.

>>>>>>>>>>>>>>
Till Next Time
>>>>>>>>>>>>>>

Gary.......
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